



HELLER EHRMAN WHITE & MCAULIFFE LLP

Sheet 5 of 9

Title: HYDRAZINE-BASED AND C BASED BIFUNCTIONAL
CROSSLINKING REAGENTS

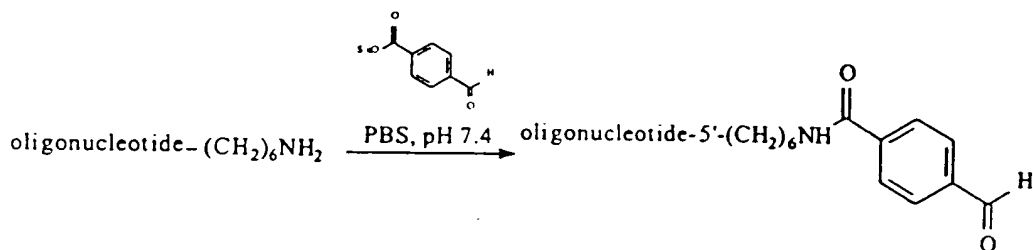
Applicant: David A. Schwartz

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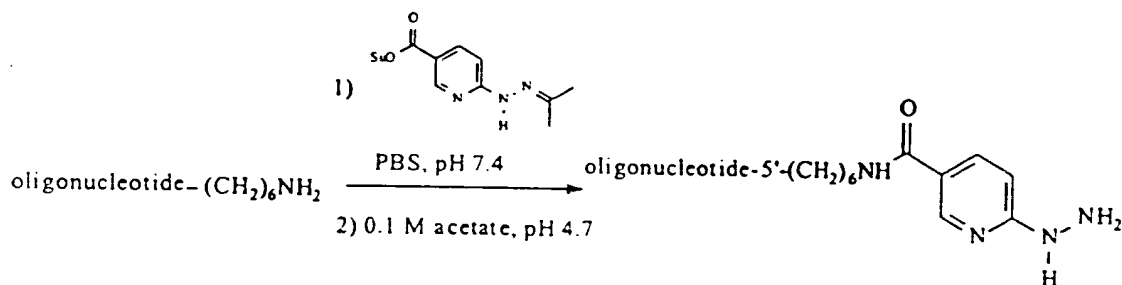
Our Docket No. 37154-753

FIGURE 5

Preparation of 5'-aromatic aldehyde-modified oligonucleotide:



Preparation of 5'-heteroaromatic hydrazine-modified oligonucleotide:



Conjugation of hydrazino-modified oligonucleotide to aldehyde-modified oligonucleotide

